

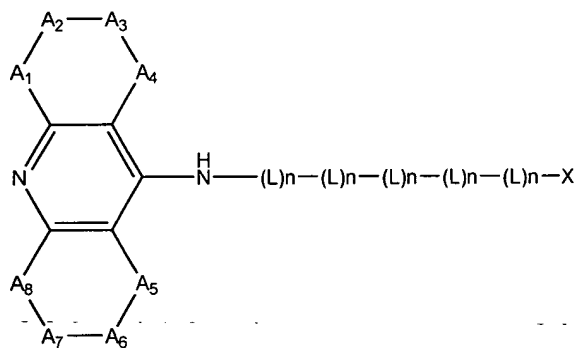
Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-18. (Canceled)

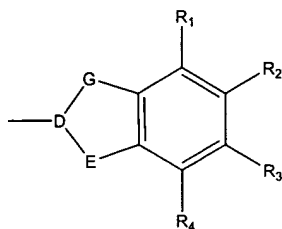
19. (New) A compound represented by the general formula (I)



Formula I

wherein:

X is the following radical:



L is independently selected from  $-C(R)(R'')$ -,  $-CO$ -,  $-O$ - or  $-NR'$ -

n is zero, one, two, three, four, five, six, seven, eight, nine or ten

R and  $R''$  are independently selected from hydrogen, alkyl, aryl, heteroaryl, halo, haloalkyl, alkoxy, hydroxyl, nitro and alkylthio

D is independently selected from  $-C(R_9)$ -,  $=C$ -, or  $-N$ -

$A_1$ ,  $A_2$ ,  $A_3$ ,  $A_4$ ,  $A_5$ ,  $A_7$ ,  $A_8$ , E and G are independently selected from  $-CO$ -,  $-C(R_{10})(R_{11})$ -,  $=C(R_{10})$ -,  $-N(R_{12})$ -,  $=N$ -,  $-O$ -,  $-S(O)_t$ -

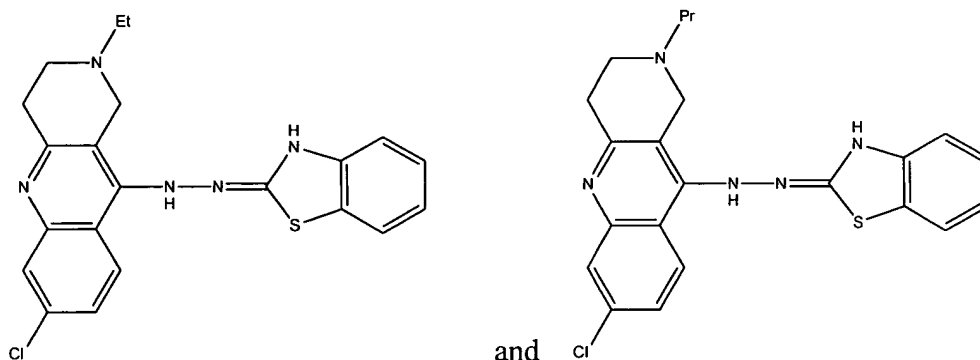
$R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_9$ ,  $R_{10}$  and  $R_{11}$  are independently selected from hydrogen, alkyl, alkoxy, hydroxyl, alkylthio, cycloalkyl, haloalkyl, halo, aryl,  $-(Z)_n$ -aryl, heteroaryl,  $-O(R_7)$ ,  $-C(O)R_7$ ,  $-C(O)OR_7$ ,  $-S(O)_t$ , cyano, nitro and mercapto, aryl substituted by alkyl, alkoxy, hydroxy, halo, haloalkyl, nitro or alkylthio; and heteroaryl substituted by alkyl, alkoxy, hydroxy, halo, haloalkyl, nitro or alkylthio

Z is independently selected from  $-C(R_7)(R_8)$ -,  $-C(O)$ -,  $-O$ -,  $-C(=NR_7)$ -,  $-S(O)_t$ ,  $N(R_7)$ -

$R_7$  and  $R_8$  are independently selected from hydrogen, alkyl, alkoxy, alkylthio, cycloalkyl, haloalkyl, halo, aryl, heteroaryl, cyano, nitro, mercapto, aryl substituted by alkyl, alkoxy, hydroxy, halo, haloalkyl, nitro or alkylthio; and heteroaryl substituted by alkyl, alkoxy, hydroxy, halo, haloalkyl, nitro or alkylthio

t is zero, one or two;

with the exclusion of the following two compounds:



20. (New) A compound according to claim 19, wherein X is selected from phthalimide (1,3-dioxo-1,3-dihydro-isoindol-2-yl), indol-2-yl, 1-indanon-2-yl, benzimidazol-2-yl, indadion-2-yl, indazol-2-yl, benzofuran-2-yl, benzothiophen-2-yl, or benzotriazol-2-yl.

21. (New) A compound according to claim 19, wherein X is phthalimide (1,3-dioxo-1,3-dihydro-isoindol-2-yl) and the cyclic part of formula I represents 9-acridinyl, 1,2,3,4-tetrahydro-acridin-9-yl or 6-chloro, 1,2,3,4-tetrahydro-acridin-9-yl.

22. (New) A compound according to claim 19 which is:

- 2-[6-(acridin-9-ylamino)-hexyl]-isoindole-1,3-dione (6),
- 2-[7-(acridin-9-ylamino)-heptyl]-isoindole-1,3-dione (7),
- 2-[8-(acridin-9-ylamino)-octyl]-isoindole-1,3-dione (8),
- 2-[9-(acridin-9-ylamino)-nonyl]-isoindole-1,3-dione (9),
- N-[7-(6-Chloro-1,2,3,4-tetrahydro-acridin-9-ylamino)-heptyl]-2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetamide (10),
- N-(3-{{3-(6-Chloro-1,2,3,4-tetrahydro-acridin-9-ylamino)-propyl}-methyl-amino}-propyl)-2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetamide (11),

- N-[6-(6-Chloro-1,2,3,4-tetrahydro-acridin-9-ylamino)-hexyl]-2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-acetamide (12),
- 2-[6-(1,2,3,4-Tetrahydro-acridin-9-ylamino)-hexylamino]-indan-1,3-dione (3),
- 2-[7-(1,2,3,4-Tetrahydro-acridin-9-ylamino)-heptyl]-isoindole-1,3-dione (4), or
- 2-[8-(1,2,3,4-Tetrahydro-acridin-9-ylamino)-octyl]-isoindole-1,3-dione (5).

23. (New) A compound according to claim 19, wherein X is 1-indanon-2-yl and the cyclic part of formula I represents 1,2,3,4-tetrahydro-acridin-9-yl.

24. (New) A compound according to claim 23, which is:

- 5,6-Dimethoxy-2-[[7-(1,2,3,4-tetrahydro-acridin-9-ylamino)-heptylamino]-methyl]-indan-1-one (1) or
- 5,6-Dimethoxy-2-[[6-(1,2,3,4-tetrahydro-acridin-9-ylamino)-hexylamino]-methyl]-indan-1-one (2).

25. (New) A pharmaceutical formulation containing as active ingredient a compound as defined in claim 19.

26. (New) A method of treating a cognitive disorder, which comprises administering an effective amount of a compound as defined in claim 19.

27. (New) The method of claim 26, wherein the cognitive disorder is senile dementia, cerebrovascular dementia, mild cognition impairment, attention deficit disorder, or a neurodegenerative dementing disease with aberrant protein aggregations.

28. (New) The method of claim 27, wherein the neurodegenerative dementing disease with aberrant protein aggregations is Alzheimer's disease, Parkinson disease, ALS, or prion diseases.

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29. (New) The method of claim 28, wherein the prion disease is Creutzfeldt-Jakob disease or Gerstmann-Straussler-Scheinher disease.